

Amendment
Serial No. 10/811,599

5000-1-544

REMARKS

Reconsideration of all grounds of rejection in the Office Action based upon the above amendments, and allowance of all of the pending claims are respectfully requested in light of the following remarks.

Claims 1-3, 9-12, 15-16, 18 stand rejected. Claims 1, 5, 16, 18, and 20 have been amended. Dependent claims 3-4, 17 and 19 have been canceled. Claims 1, 16, and 18 are independent claims. Claims 1-23 are pending in the application.

Applicants wish to thank the Examiner for indicating that dependent claims 4-8 and 13-14, 17 and 19-23 are objected, as being dependent upon a rejected base claim, but would be allowable if their respective dependent base claim is rewritten in independent form including all of the limitations of the base claim and any intervening claims.

In response, applicants have incorporated dependent claims 3 and 4 into base claim 1 and incorporated dependent claim 17 into base claim 16 and incorporated dependent claim 19 into base claim 18. Dependent claims 5 and 20 have been amended to reflect proper dependency to the amended claims. No new matter has been added.

Claims 1-3, 9-12, 15-16, and 18 stand rejected under 35 U.S.C §103(a), as allegedly being obvious over Ichikawa *et al.* (U.S. Pub. 2003/0165167) ("Ichikawa").

In response, applicants note that the instant rejection is now moot based upon the amendments to all three base claims. As such, the prior art, Ichikawa fails to teach or suggest a TO-can type optical module comprising, *inter alia*, a sub-mount which includes a bias-tee arranged in the sub-mount with the LD, the bias-tee superposing an RF signal onto a DC current of the LD and a coplanar waveguide (CPW) and a matching resistor arranged in the sub-mount for transmitting the RF signal without distortion as recited in amended base

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claim 1.

Ichikawa fails to teach or suggest a TO-can type optical module comprising, *inter alia*, a sub-mount which includes a coplanar waveguide and a matching resistor arranged in the sub-mount for transmitting the RF signal without distortion, and an RF choke including an inductor arranged in a DC current path to block the RF signal from the DC current as recited in amended base claim 16.

Moreover, Ichikawa fails to teach or suggest a method for providing a TO-can type optical module comprising the steps, *inter alia*, of arranging a coplanar waveguide (CPW) and a matching resistor in the sub-mount for transmitting the RF signal without distortion as recited in amended base claim 18.

Applicants respectfully request withdrawal of the rejections.

The other dependent claims found in this application are each dependent from one or the other of the independent claims discussed above and are therefore believed patentable for the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration or reconsideration, as the case may be, of the patentability of each on its own merits is respectfully requested.

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For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

Should the Examiner deem that there are any issues which may be best resolved by telephone, please contact Applicant's undersigned representative at the number listed below.

Respectfully submitted,

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